



September 1, 2006

Bureau of Land Management
Vernal Field Office
170 S. 500 E.
Vernal, UT 84078

Attn: Minerals Department

Re: All Wells
Uintah and Duchesne Counties, Utah

Ladies and Gentlemen:

This letter is to inform you that Permitco, Inc. and Shon McKinnon are authorized to act as Agent and to sign or retrieve documents on behalf of Gasco Production Company, a wholly owned subsidiary of Gasco Energy, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned wells.

It should be understood that Permitco, Inc. and Shon McKinnon are acting as Agent only in those matter stated above and are not responsible for drilling, completion, production or compliance with regulations.

Gasco Production Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above mentioned wells.

Yours very truly,

Mark A. Erickson

President and CEO



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

November 6, 2007

Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801
Attn: Minerals

Re: Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, Utah

Gentlemen:

Enclosed please find one copy of the Application for Permit to Drill, along with one copy of the Onshore Order No. 1 which was filed with the BLM in Vernal, Utah.

If you should need additional information, please don't hesitate to contact me. Approved copies of the A.P.D. should be sent to Permitco Inc. at the address shown above.

Sincerely,

PERMITCO INC.

Venessa Langmacher
Consultant for
Gasco Production Company

RECEIVED

NOV 08 2007

DIV. OF OIL, GAS & MINING

Enc.

cc: Gasco Production Company - Englewood, CO
Shawn Elworthy - Myton, UT
Shon McKinnon - Altamont, UT

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO.: UTU-13820	6. SURFACE: BLM
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: Gasco Production Company		9. WELL NAME and NUMBER: Uteland Federal #43-3-10-18	
3. ADDRESS OF OPERATOR: 8 Inverness Drive East, Suite 100, Englewood, CO 80112		10. FIELD AND POOL, OR WILDCAT: Uteland Butte 495	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 596285X 4429451Y 39.971128 - 109.872527 AT PROPOSED PRODUCING ZONE: 1983' FSL and 858' FEL NE SE		11. QTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN: Sec. 3, T10S-R18E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 24.85 miles southeast of Myton, UT		12. COUNTY: Uintah	13. STATE: Utah
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 858'	16. NUMBER OF ACRES IN LEASE: 2519.16	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 Acres; NE SE	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 600'	19. PROPOSED DEPTH: 12,525'	20. BOND DESCRIPTION: Bond #UT-1233	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5023' GL	22. APPROXIMATE DATE WORK WILL START: ASAP	23. ESTIMATED DURATION: 35 Days	

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8", H40, 48#	200'	200 sx Premium Type 5, 15.6 ppg, 1.18 yield
12-1/4"	8-5/8", J-55, 32#	3,388'	561 sx Hi-Lift, 11 ppg, 3.91 yield & 185 sx 10-2 RFC, 14.2 ppg, 1.63 yield
7-7/8"	4-1/2", P110, 13.5#	12,525'	366 sx Hi-Lift, 11.5 ppg, 3.05 yield & 1217 sx 50-50 Poz, 14.1 ppg, 1.28 yield

RECEIVED

25. ATTACHMENTS		NOV 08 2007
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:		
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PROGRAM	DIV. OF OIL, GAS & MINING
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER	

AGENT: PermitCo Inc.

AGENT'S PHONE NO.: 303-857-9999

NAME (PLEASE PRINT) **Venessa Langmacher**

TITLE **Agent for Gasco Production Company**

SIGNATURE *Venessa Langmacher*

DATE **November 6, 2007**

(This space for State use only)

API NUMBER ASSIGNED: **43-047-39778**

APPROVAL:

Approved by the
Utah Division of
Oil, Gas and Mining

Date: **11-20-07**
By: *[Signature]*

T10S, R18E, S.L.B.&M.

GASCO PRODUCTION COMPANY

Well location, UTELAND FEDERAL
#43-3-10-18, located as shown in the
NE 1/4 SE 1/4 of Section 3, T10S, R18E,
S.L.B.&M., Uintah County, Utah.

T9S

T10S

N89°48'11"W - 2646.61' (Meas.)

1910 Brass Cap
1.3' High, Pile of
Stones, Steel Post

Brass Cap

LOT 4

LOT 3

LOT 2

LOT 1

S00°02'E - 5276.04' (G.L.O.)

S00°10'44"W - 2637.81' (Meas.)

1910 Brass Cap
1.5' High, Pile
of Stones

3

UTELAND FEDERAL

#43-3-10-18

Elev. Ungraded Ground = 5023'

858'

1983'

S00°05'04"W - 2644.49' (Meas.)

Set Marked Stone,
Pile of Stones

S89°58'E - 2638.68' (G.L.O.)

N89°48'04"W - 2643.73' (Meas.)

1910 Brass Cap
1.0' High, Pile of
Stones, Steel Post

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)

LATITUDE = 39°58'16.07" (39.971131)

LONGITUDE = 109°52'23.95" (109.873319)

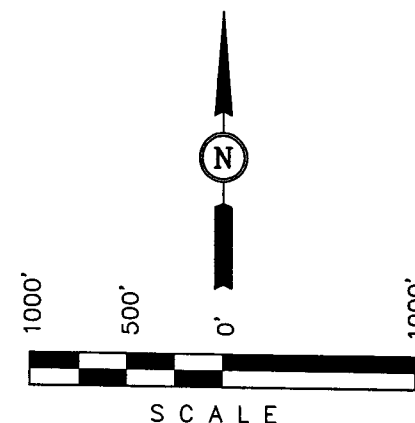
(AUTONOMOUS NAD 27)

LATITUDE = 39°58'16.20" (39.971167)

LONGITUDE = 109°52'21.43" (109.872619)

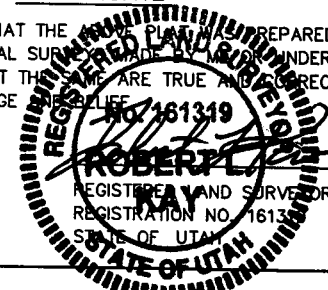
BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF
SECTION 6, T10S, R19E, S.L.B.&M., TAKEN FROM THE
MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE QUAD.
(TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY.
SAID ELEVATION IS MARKED AS BEING 5011 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEY MADE BY ME AND UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-14-07	DATE DRAWN: 03-29-07
PARTY J.W. B.P. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE GASCO PRODUCTION COMPANY	

APPLICATION FOR PERMIT TO DRILL OR REENTER

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
Attached.
2. A Drilling Plan
Attached.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the Appropriate Forest Service Office.
See Surface Use Plan Attached.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20).
Bond coverage for this well is provided by Gasco Production Company under their BLM Bond No. Bond #UT-1233.
5. Operator certification.
Please be advised that Gasco Production Company is considered to be the operator of the above mentioned well. Gasco Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.
6. Such other site specific information and/or plans as may be required by the authorized officer.

Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, UT

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge, of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 20th day of July, 2007.

Venessa Langmacher
Venessa Langmacher

Agent for Gasco Production Company
Title

14421 County Road 10, Fort Lupton, CO 80621
Address

303/857-9999
Telephone

LSPermitco@aol.com
E-mail



ONSHORE ORDER NO. 1
Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-13820

DRILLING PROGRAM

Page 1

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS**

<i>Formation</i>	<i>Depth</i>	<i>Subsea</i>
Wasatch	4,975'	+60'
Mesaverde	8,905'	-3,870'
Castlegate	11,315'	-6,280'
Blackhawk	11,565'	-6,530'
Spring Canyon	12,225'	-7,190'
TD	12,525'	-7,490'

2. **ESTIMATED DEPTH OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:**

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>
Gas	Wasatch	5,200'-8,905'
Gas	Mesaverde	8,905'-11,315'
Gas	Blackhawk	11,565'-12,425'

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.



3. PRESSURE CONTROL EQUIPMENT

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double with annular, 5000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.



BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 11", 5000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.



- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- l. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.



ONSHORE ORDER NO. T
 Gasco Production Company
Uteland Federal #43-3-10-18
 1983' FSL and 858' FEL
 NE SE Section 3, T10S - R18E
 Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-13820

DRILLING PROGRAM

Page 5

m. The proposed casing program will be as follows:

<i>Purpose</i>	<i>Depth</i>	<i>Hole Size</i>	<i>O.D.</i>	<i>Weight</i>	<i>Grade</i>	<i>Type</i>	<i>New/Used</i>
Conductor	0-200'	17-1/2"	13-3/8"	48#	H-40	---	New
Surface	0-3,388'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-12,525'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

n. Casing design subject to revision based on geologic conditions encountered.

o. The cement program will be as follows:

<i>Conductor</i>	<i>Type and Amount</i>
TOC @ Surface	200 sx Premium Type 5 @ 15.6 ppg, 1.18 cu ft/sk.
<i>Surface</i>	<i>Type and Amount</i>
TOC @ Surface	Lead: 561 sx Hi-Lift @ 11.0 ppg, 3.91 cu ft/sk. Tail: 185 sx 10-2 RFC @ 14.2 ppg, 1.63 cu ft/sk.
<i>Production</i>	<i>Type and Amount</i>
TOC @ 2,500'	Lead: 366 sx Hi-Lift @ 11.5 ppg, 3.05 cu ft/sk. Tail: 1217 sx 50/50 POZ @ 14.1 ppg, 1.28 cu ft/sk.

p. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.

r. The following reports shall be filed with the District Manager within 30 days after the work is completed.



1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
 - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
 - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- s. Auxiliary equipment to be used is as follows:
 1. Kelly cock
 2. No bit float is deemed necessary.
 3. A sub with a full opening valve.

5. MUD PROGRAM

- a. The proposed circulating mediums to be employed in drilling are as follows:

<i>Interval</i>	<i>Mud Type</i>	<i>Mud Wt.</i>	<i>Visc.</i>	<i>F/L</i>	<i>pH</i>
0' - 200'	Fresh Water	8.33	1	N/C	7
200' - 3,388	Fresh Water	8.33	1	N/C	7-8
3,388' - TD	Fresh Water & DAP	9.0 - 11.5	30 - 40	12 - 20	8

There will be sufficient mud on location to control a blowout should one occur.
A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.



- b. Mud monitoring equipment to be used is as follows:
 - 1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- c. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.
- d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- e. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. EVALUATION PROGRAM

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.



ONSHORE ORDER NO. 1
Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, Utah

— CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-13820

DRILLING PROGRAM

Page 8

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of a Schlumberger Platform Express or equivalent to be run from TD - base of surface casing.
- c. No cores are anticipated.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program will be as follows: Perform multistage Fracs and complete all productive Blackhawk, Mesaverde and Wasatch zones present in wellbore. Produce all zones commingled.
- f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

7. ABNORMAL TEMPERATURES OR PRESSURES

- a. The expected bottom hole pressure is 7014 psi. The maximum bottom hole temperature anticipated is 213 degrees F.
- b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

8. ANTICIPATED STARTING DATES AND NOTIFICATION OF OPERATIONS

- a. Drilling will commence immediately upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 35 days.



ONSHORE ORDER NO. 1
Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, Utah

— CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-13820

DRILLING PROGRAM

Page 9

- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction commencement and of anticipated spud date.
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.
- e. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- i. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.



ONSHORE ORDER NO. 1
Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-13820

DRILLING PROGRAM

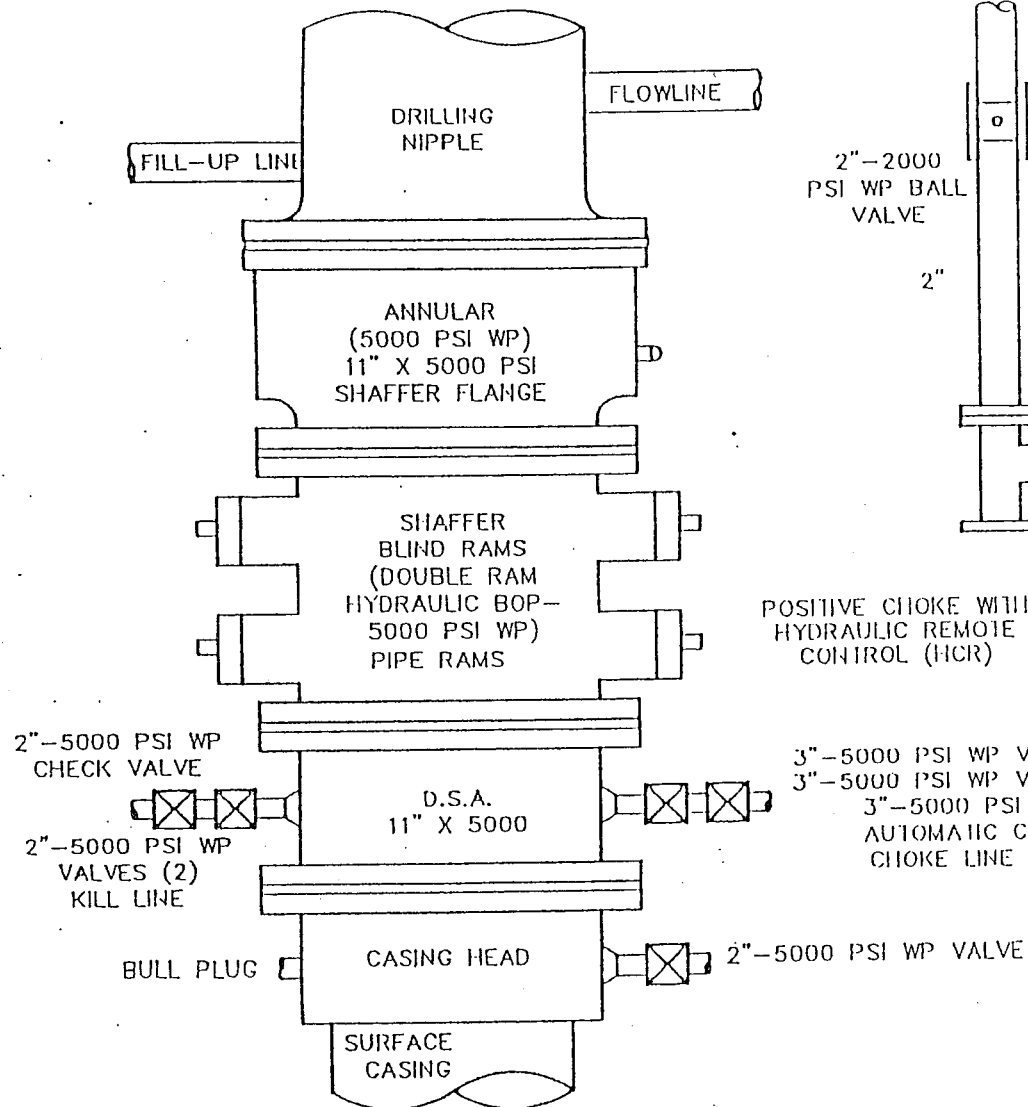
Page 10

- k. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.
- o. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

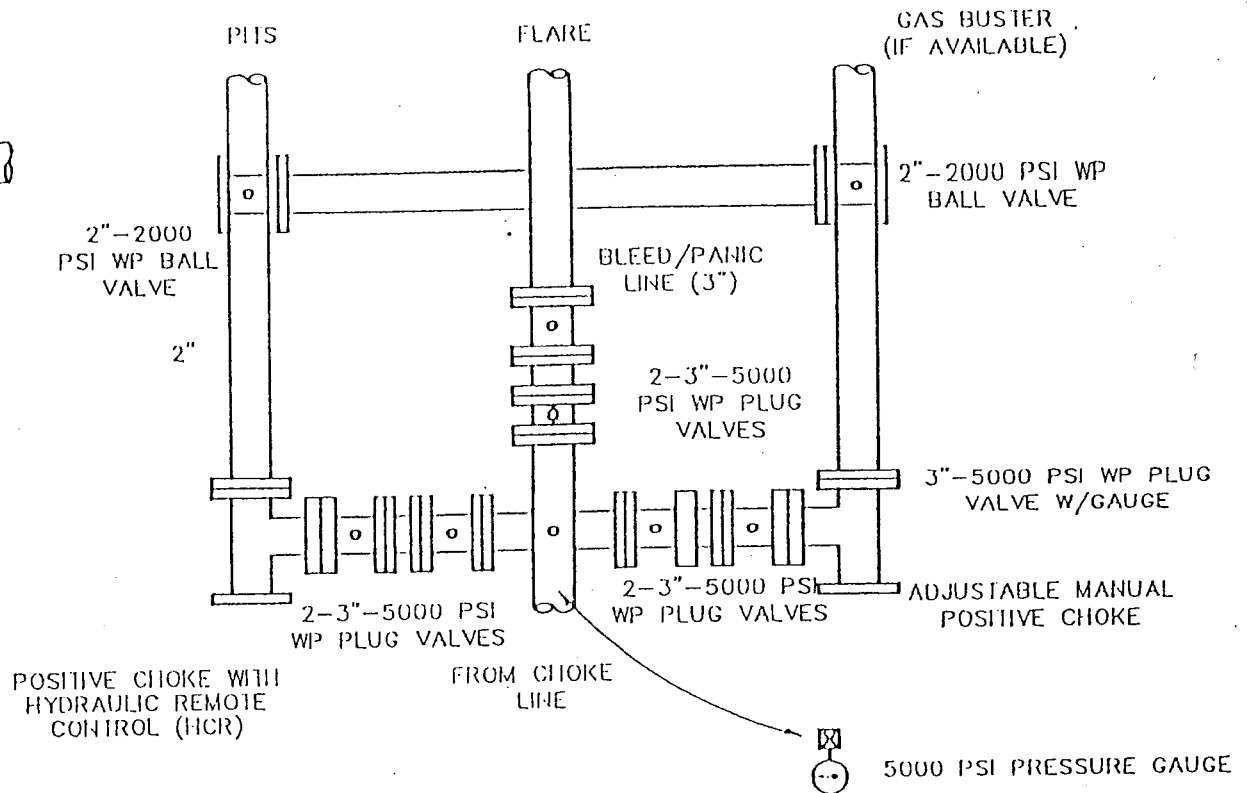
Bureau of Land Management 170 South 500 East Vernal, Utah 84078 Phone: 435/781-4400 Fax: 435/781-4410 After Hours:		
Matt Baker	Petroleum Engineer	435/828-4470
Michael Lee	Petroleum Engineer	435/828-7875



BOP SCHEMATIC
5000 PSI WORKING PRESSURE



PLAN VIEW CHOKES MANIFOLD



THE HYDRAULIC CLOSING UNIT WILL BE LOCATED MORE THAN 30' FROM THE WELLHEAD. CHOKES AND BLEED/PANIC LINES WILL GO TO THE PIT AND FLARE. ALL CONNECTIONS IN CHOKES LINES AND MANIFOLD WILL BE FLANGED OR WELDED. ALL FLANGES SHOULD BE RING JOINT GASKET TYPE. ALL TURNS IN LINES SHALL BE CONSTRUCTED USING TARGETING 90° TEES OR ELLS. ALL LINES SHALL BE ANCHORED.

ONSHORE ORDER NO. 1
Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-13820

SURFACE USE PLAN

Page 1

**ONSHORE OIL & GAS ORDER NO. 1
NOTIFICATION REQUIREMENTS**

Location Construction -	forty-eight (48) hours prior to construction of location and access roads.
Location Completion -	prior to moving on the drilling rig.
Spud Notice -	at least twenty-four (24) hours prior to spudding the well.
Casing String and Cementing -	twenty-four (24) hours prior to running casing and cementing all casing strings.
BOP and Related Equipment Tests -	twenty-four (24) hours prior to initiating pressure tests.
First Production - Notice	within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

The onsite inspection for the subject well site was conducted on Tuesday, May 22, 2007 at approximately 2:20 p.m. Weather conditions were cool and windy. In attendance at the onsite inspection were the following individuals:

Darren Williams	Natural Resource Specialist	Bureau of Land Management
Brandon McDonald	Wildlife Biologist	Bureau of Land Management
Randy Smith	Permitting Agent	Permitco Inc.
Shon McKinnon	Consultant	Gasco Production Company
Jesse Walton	Surveyor	Uintah Engineering and Land Surveying
Brian O'Hearn	Ecologist	SWCA

1. EXISTING ROADS

- a. The proposed well site is located approximately 24.85 miles southeast of Myton, Utah.



- b. Directions to the location from Myton, Utah are as follows:

Proceed southwesterly on Highway 40 for 1.5 miles. Turn left and proceed southeasterly for approximately 11.0 miles to the Castle Peak Mine. Stay left and proceed easterly 5.6 miles. Turn right and proceed southerly 5.4 miles. Turn right and proceed southeasterly 0.5 miles. Turn right and proceed west 0.6 miles. Turn left onto the proposed access and proceed south 0.25 miles until reaching the proposed location.

- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to existing main roads will not be required.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. PLANNED ACCESS ROADS

- a. Approximately 0.25 miles of new construction will be necessary.
- b. The maximum grade of the new construction will not exceed 8%.
- c. No culverts or low water crossings will be necessary.
- d. The last 0.25 miles of new access road was centerline flagged at the time of staking.
- e. The use of surfacing material is not anticipated, however it may be necessary depending on weather conditions.
- f. No cattle guards will be necessary.
- g. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.



- h. All access roads will be constructed in accordance with Gold Book Standards.
- i. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- j. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- k. No BLM road right of ways will be necessary. All roads outside the lease boundary are improved Class D Roads.

3. LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION.
(See Map "C")

- a. Water wells - none
- b. Injection wells - none
- c. Producing wells - twenty-eight
- d. Drilling wells - none
- e. Shut-in wells - none
- f. Temporarily abandoned wells - none
- g. Disposal wells - none



- h. Abandoned wells - one
- i. Dry Holes - none

4. LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES.

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Covert Green. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. If the well is productive, a production facility layout will be submitted via sundry.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow line will be buried or anchored down from the wellhead to the separator. Meter runs will be housed and/or fenced.
- f. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.
- g. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.



- h. Any necessary pits will be properly fenced to prevent any wildlife entry.
- i. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- l. The road will be maintained in a safe useable condition.
- m. Produced water will be stored in a 300 bbl heated, insulated tank, then hauled to a commercial disposal site such as Disposal Inc., or Brennan Bottom.
- n. Pipelines will follow the route shown on Map D. See Pipeline detail attached. All pipeline easements through Section 2, T10S - R18E have been previously applied for with SITLA (Easement No. 1055).

5. LOCATION AND TYPE OF WATER SUPPLY

- a. The proposed water source will be the Nebecker Water Service at the Nebecker Water Station in Myton, permit #43-1721.
- b. Water will be hauled by Nebecker Water Service to the location over the access roads shown on Maps A and B.
- c. No water well will be drilled on this lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.



7. METHODS OF HANDLING WASTE DISPOSAL

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. At the request of the BLM, the reserve pit will be lined with a 12 mil liner. If fractured rock is encountered, the pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

8. ANCILLARY FACILITIES

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.



9. WELL SITE LAYOUT

- a. Dead cactus spines were found approximately 150' north of the pad on the ridge top area (flat). This portion of the road will be located 30' easterly to avoid the spines.
- b. Turtle shell was found east of corner B as shown on the location layout. Monitoring of the reserve pit will be done by Alden Hamblin during construction.
- c. The operator or his/her contractor shall contact the BLM Office at 435/781-4400 forty-eight (48) hours prior to construction activities.
- d. The reserve pit will be located on the south side of the location.
- e. The flare pit will be located on the west side of the reserve pit, a minimum of 100 feet from the well head and 20 feet from the reserve pit fence.
- f. The stockpiled topsoil (first six inches) will be stored on the north side of the location, between corners 1 and 9 near the wellpad. Topsoil along the access route will be wind rowed on the uphill side.
- g. Access to the well pad will be from the north as shown on the Pit & Pad Layout.
- h. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.
- i. CORNER 2 AND CORNER 9 OF THE WELL PAD WILL BE ROUNDED OFF TO REDUCE FILL.
- j. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.
- k. All pits will be fenced according to the following minimum standards:
 1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.



3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- I. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- e. Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. A seed mixture will be specified by the Bureau of Land Management in their Conditions of Approval for the subject well.



Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. Seed will be broadcast and walked in with a dozer.

- f. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix. The seed will be walked in with a cat.
- g. The seed mixture will be recommended by the BLM.

Dry Hole

- h. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

Interim Surface Reclamation will be as follows:

- 1. Immediately after final well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production operations.
- 2. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in the reserve pit will be removed. Other waste and spoil materials will be disposed of immediately, weather permitting, upon final well completion.
- 3. If a synthetic, nylon re-enforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The liner will be buried to a minimum of four (4) feet deep.
- 4. The reserve pit will be reclaimed within 180 days from the date of final well completion, weather permitting.
- 5. The reserve pit and that portion of the location not needed for production and storage facilities, and everyday production operations, will be reshaped to the approximate original contours to the extent possible. This will be completed by backfilling and crowning the pit to prevent water from standing. Topsoil will be re-spread up to the rig anchor points, excluding the area needed for production and storage facilities and everyday production



operations. Re-seeding, using appropriate reclamation methods, will occur immediately following the re-spreading of topsoil, weather permitting. The Authorized Officer will provide a seed mixture to re-vegetate the reserve pit and other unused disturbed areas at the time of the onsite.

11. SURFACE OWNERSHIP

Access Roads - The majority of the access roads are maintained by the County Road Department or the Bureau of Land Management. A portion of the new construction crosses SITLA lands. All necessary easements will be obtained from SITLA.

Well pad - The well pad is located on lands managed by the BLM.

12. OTHER INFORMATION

- a. A Class III archeological survey has been conducted by Grand River Institute and is attached.
- b. A Paleontological Evaluation was done by Alden Hamblin and is attached.
- c. A Special Status Plant and Wildlife Species report was done by SWCA.
- d. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and



-a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- e. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- f. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.
- g. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- h. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- i. There will be no deviation from the proposed drilling and/or work over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.
- j. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.



ONSHORE ORDER NO. 1
Gasco Production Company
Uteland Federal #43-3-10-18
1983' FSL and 858' FEL
NE SE Section 3, T10S - R18E
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-13820

SURFACE USE PLAN

Page 12

- k. This permit will be valid for a period of one year from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period. After permit termination, a new application will be filed for approval for any future operations.
- l. The operator or his contractor shall contact the BLM Offices at 435/781-4400 48 hours prior to construction activities.
- m. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Permit Matters

PERMITCO INC.
14421 County Road 10
Ft. Lupton, CO 80621
303/857-9999 (O)
303/857-0577 (F)
Lisa Smith

Drilling & Completion Matters

Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112
John Longwell
303/483-0044 (O)
303/ 483-0011(F)

Shawn Elworthy - Field Superintendent
Roosevelt, UT
435-823-4272 (cell)



PIPELINE INFORMATION
Uteland Federal #43-3-10-18

1. The type of pipeline is a single well flow line.
2. The outside diameter (O.D.) of all will be 8 inches maximum.
3. The anticipated production through the line is approximately 2000 MCF per day.
4. The anticipated maximum test pressure is 1000 psi.
5. The anticipated operating pressure is 100-200 psi.
6. The type of pipe is steel.
7. The method of coupling is welded.
8. There are no other pipelines to be associated in same right of way.
9. There will be other objects to be associated in the same right of way. (Risers, Pig Launchers Pig Traps, meters and other appurtenances as required.)
10. The total length of pipeline is approximately 4500 feet. Approximately 2485 feet is located on state lands in Section 2, T10S - R18E and has been applied for under Easement No. 1055. The remainder (2015 feet) is located within the lease boundary.
11. The line will be laid on surface, as shown on Map D. Where possible, the pipeline will follow existing or proposed roads.
12. The construction width for total surface disturbing activities is 30 feet.
13. The estimated total acreage involving all surface disturbing activities is 3.1 acres.
14. Any surface disturbance created as a result of the pipeline construction will be reclaimed utilizing the reclamation procedures and seed mixture specified by the Bureau of Land Management.
15. The line will be tested with gas pressure to 1000 psi.



FEDERAL STIPULATIONS AND TIMING RESTRICTIONS

There are no wildlife timing restrictions which apply to this wellsite.



**Class III Cultural Resource Inventory Report
of
Fourteen Proposed Well Locations and Related Linear Routes
in the Sheep Wash and Uteland Butte Area of Uintah County, Utah
for
Gasco Production Company**

Declaration of Positive Findings

GRI Project No. 2722

23 April 2007

Prepared by

Grand River Institute
P.O. Box 3543
Grand Junction, Colorado 81502
BLM Antiquities Permit No.07UT54939
UDSH Project Authorization No. U07-GB-0032b,s

Carl E. Conner, Principal Investigator

Submitted to

The Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

School and Institutional
Trust Lands Administration
675 East 500 South, Suite 500
Salt Lake City, Utah 84102-2818

Abstract

Grand River Institute conducted a Class III cultural resources inventory for Gasco Production Company of fourteen proposed well locations (Fed. #13-18-9-19, Fed. #11-19-9-19, Fed. #13-19-9-19, Sheep Wash Fed. #11-25-9-18, Sheep Wash Fed. #31-25-9-18, Sheep Wash Fed. #12-26-9-18, Sheep Wash Fed. #14-26-9-18, Sheep Wash Fed. #43-33-9-18, Uteland Fed. #32-3-10-18, Uteland Fed. #43-3-10-18, Uteland Fed. #14-10-10-18, Fed. #41-1-10-18, Fed. #31-6-10-19, and State #22-32A, #21-32B, & #21-32A) and 2.74 miles of linear routes (roads and/or pipelines) in Uintah County, Utah, under BLM Antiquities Permit No. 07UT-54939 and Utah Division of State History (UDSH) Project Authorization No. U07-GB-0032b,s. This work was done to meet requirements of Federal and State laws that protect cultural resources.

Files searches conducted through the BLM Vernal District Office (BLM) and through the UDSH indicated two sites (42UN2290 and 42UN2844) were previously recorded near two of the project's discrete areas. Field work was performed between the 18th and 21st of April 2007. A total of about 206.5 acres (BLM 188, State 18.5) was inspected. The two previously recorded sites were relocated as part of this project and found to lie outside impact areas, so no further work is recommended for them. Three isolated finds and one site (42UN5806) were newly recorded. The site was field evaluated as significant and eligible for listing on the National Register of Historic Places. It is presently within the impact area for the proposed new road to the Fed. #43-3-10-18 well location and should be avoided. An alternate route was inventoried to the east of the originally flagged road to allow for its movement in that direction.

Table of Contents

Introduction	1
Location of Project Area	1
Environment	1
Files Search	5
Study Objectives	6
Field Methods	6
Study Findings	7
Summary of Site Evaluations and Management Recommendations	9
References	10
Appendix A: Resources Location Data and IMACS and Isolated Find Forms	A.1

List of Figures and Table

Figures 1 through 3. Project location maps	2-4
Figure A-1 through A-3. Location maps for cultural resources	A.3-A.5
Table 1. List of Isolated Finds	9
Table A-1. Location data for cultural resources	A.2

Introduction

At the request of Gasco Production Company and the Bureau of Land Management Vernal Field Office (BLM), Grand River Institute conducted a Class III cultural resources inventory for Gasco Production Company of fourteen proposed well locations (Fed. #13-18-9-19, Fed. #11-19-9-19, Fed. #13-19-9-19, Sheep Wash Fed. #11-25-9-18, Sheep Wash Fed. #31-25-9-18, Sheep Wash Fed. #12-26-9-18, Sheep Wash Fed. #14-26-9-18, Sheep Wash Fed. #43-33-9-18, Uteland Fed. #32-3-10-18, Uteland Fed. #43-3-10-18, Uteland Fed. #14-10-10-18, Fed. #41-1-10-18, Fed. #31-6-10-19, and State #22-32A, #21-32B, & #21-32A) and 2.74 miles of linear routes (roads and/or pipelines) in Uintah County, Utah, under BLM Antiquities Permit No. 07UT-54939 and Utah Division of State History (UDSH) Project Authorization No. U07-GB-0032b,s. The file searches, survey and report were completed by Carl E. Conner (Principal Investigator) and Barbara J. Davenport of GRI. Field work was performed between the 18th and 21st of April 2007. A total of about 206.5 acres (BLM 188, State 18.5) was inspected.

The survey was done to meet requirements of the Federal Land Policy and Management Act of 1976, the National Historic Preservation Act as amended in 1992, and the National Environmental Policy Act (NEPA) of 1969. These laws are concerned with the identification, evaluation, and protection of fragile, non-renewable evidences of human activity, occupation and endeavor reflected in districts, sites, structures, artifacts, objects, ruins, works of art, architecture, and natural features that were of importance in human events. Such resources tend to be localized and highly sensitive to disturbance.

Location of Project Area

The study area's discrete units lie southwest of Vernal, Utah, in the Sheep Wash/ Uteland Butte area of Uintah County. The 10-acre blocks surveyed for the proposed new well locations, and the 200-foot-wide corridors inventoried for the proposed new access roads and/or pipeline routes are in T. 9 S., R. 18 E., Sections 25, 26, 33 and 36; and, T. 9 S., R. 19 E., Sections 18, 19 and 32; T. 10 S., R. 18 E., Sections 1, 3 and 10; T. 10 S., R. 19 E., Section 6; SLBM.

Environment

The project areas are within the major geologic subdivision of the Colorado Plateau known as the Uinta Basin Section. In Utah, this section extends from the Uinta Mountains on the north to the Book Cliffs on the south. It is a broad downwarp into which Quaternary- and Tertiary-age deposits were made from the surrounding mountains which include Holocene and Pleistocene pediment deposits, and Eocene-age fluvial and lacustrine sedimentary rocks (Rigby 1976:xi). Physiographically, the basin includes the Uinta basin in the north portion and the Book Cliffs/Roan Plateau in the south portion. The lower Uinta

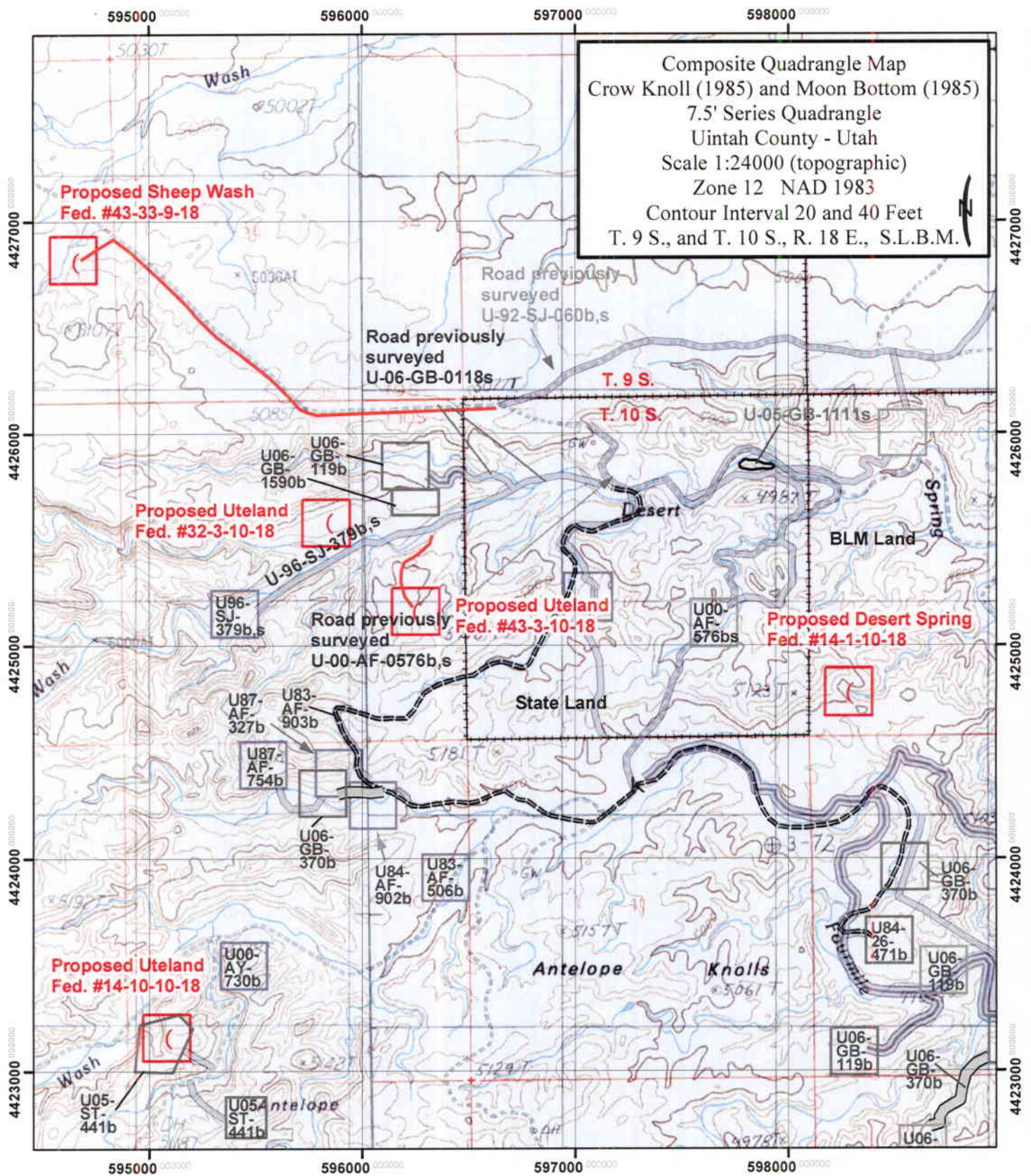


Figure 2. Prefield area map (2 of3) for the Class III cultural resources inventory of 16 proposed Federal and State well locations and short new accesses in the Sheep Wash and Uteland Butte areas of Uintah County, Utah, for Gasco Production Co. Areas to be surveyed are indicated. [Grand River Institute #2722, April 2007]

Figure 3. Prefield area map (1of3) for the Class III cultural resources inventory of 16 proposed Federal and State well locations and short new accesses in the Sheep Wash and Uteland Butte areas of Uintah County, Utah, for Gasco Production Co. Areas to be surveyed are indicated. [Grand River Institute #2722, April 2007]

Formation is the bedrock of the study area. Holocene and Pleistocene-age alluvium and colluvium occur as a veneer over the Uinta. It consists of channel and flood-plain stream deposits. Soils encountered were rocky, shaley, silty, and sandy loams, which are in general formed in residuum from the underlying formation. However, dunes are common in this region as well.

Elevations in the project area range from 4780-to-4950 feet. The terrain is characterized as bench land that is cut by dendritic washes. Vegetation is a shadscale desert community throughout most of the area. Notably, Indian Ricegrass occurs on the stabilized dunes that border many of the small buttes in the area, and may have been a significant source of food for the native inhabitants. Regional faunal inhabitants include deer, antelope, elk, black bear, coyote, mountain lion, cottontails, jack rabbits, and various raptores.

A cool, mid-latitude steppe climate prevails. Annual precipitation of this elevation range is between 7 and 10 inches. Temperatures range from 100°F in the summer to -40°F in January. Paleoenvironmental data are scant, but it is generally agreed that gross climatic conditions have remained fairly constant over the last 12,000 years. However, changes in effective moisture, and cooling-warming trends probably affected the prehistoric occupation of the region.

Files Search

Files searches were conducted through BLM and UDSH. Previous projects in the areas near the inventory blocks and linear routes are numerous and generally relate to oil and gas development. Those that are adjacent to the project areas are discussed below.

Numerous projects have been completed in the Sections indicated in the Location of Project portion of the report. Significant to this report are those projects shown on Figures 1-3, including: U92-SJ-126b,s, U96-SJ-379b,s, U01-MQ-694b, U02-AY-693b, U04-GB-1081b,s, U05-GB-236b, U05-ST-441b, U06-GB-119b, 06-MQ-0657b,i,p,s. As part of U96-SJ-379b,s two sites (42UN2290 and 42UN2291) were recorded along the existing access road to the connecting, proposed new access roads to the Uteland Fed. #32-3-10-18 and the Uteland Fed. #43-3-10-18. Both of the sites were apparently avoided by the previous construction of the existing access. Site 42UN2290, a prehistoric open camp that was previously evaluated as significant, is close to the proposed access to the #32-3, so it was revisited by the currant project to determine its relationship to the proposed action. In addition, site 42UN2844, a cairn recorded as part of #U-01-MM-0411, was originally recorded within the impact area of the proposed Fed. #41-1-10-18 well location, and was also relocated as part of this project.

Regional archaeological studies suggest nearly continuous human occupation of northeastern Utah for the past 12,000 years. Evidence of the Paleoindian Tradition, the Archaic Tradition, Fremont Culture, and Protohistoric/Historic Utes has been found.

Historic records suggest occupation or use by EuroAmerican trappers, settlers, miners, and ranchers as well. Overviews of the prehistory and history of the region are provided in the Utah BLM Cultural Resource Series No. 11, Archaeological Inventory in the Seep Ridge Cultural Study Tract, Uintah County, Northeastern Utah with a Regional Predictive Model for Site Locations (Chandler and Larralde 1980), and in Cultural Resources Existing Data Inventory Vernal District, Utah (Jones and Mackay 1980).

Study Objectives

The purpose of the study was to identify and record all cultural resources within the areas of potential impact and to assess their significance and eligibility to the National Register of Historic Places (NRHP). The statements of significance included in this report are field assessments made in support of recommendations to the BLM and State Historic Preservation Officer (SHPO), and the final determination of site significance is made by the BLM in consultation with the SHPO.

Paleontological resources were also considered in the inspection. However, a final evaluation of those resources must be provided by a paleontologist permitted by Utah.

Field Methods

A Class III, 100% pedestrian, cultural resources survey of the proposed well locations was made by walking a series of concentric circles (spaced at 15m intervals) around the flagged centers to diameters of 750 feet. The related access and pipeline routes not included within the 10-acre study plots or the previous survey areas were surveyed by walking four parallel transects spaced at 15m intervals and centered on the flagged lines to cover corridors 200 feet wide.

Cultural resources were sought as surface exposures and were characterized as sites or isolated finds. Sites were defined by the presence of six or more artifacts and/or significant feature(s) indicative of patterned human activity. Isolated finds were defined by the presence of 1 to 5 artifacts apparently of surficial nature. Cultural resources encountered were to be recorded to standards set by the Utah Division of State History (UDSH).

The basic approach to the data collection was the continuous mapping of observed artifacts and features by recording UTM coordinates (NAD 83 Datum) using a Trimble Geo XT. Site maps were created using corrected data and ARCMAP. Photographs were to be taken at each site and to include general views and specific artifacts or features. Field notes and photo negatives are filed at Grand River Institute, while the photographs are submitted to the BLM and UDSH. No artifacts were collected.

Study Findings

As expected, cultural resources were encountered during the survey. Three isolated finds and one site (42UN5806) were newly recorded. Previously recorded sites 42UN2290 and 42UN2844 were revisited to ascertain their relationship to the proposed well locations. No paleontological resources were found. This portion of the report presents a discussion of site significance evaluation, describes the sites and provides their field evaluations, and lists the isolated finds. Appendix A contains the resources' location data and the IMACS site forms.

Site Significance

The National Historic Preservation Act of 1966 (NHPA) directs federal agencies to ensure that federally-initiated or authorized actions do not inadvertently disturb or destroy significant cultural resource values. Significance is a quality of cultural resource properties that qualifies them for inclusion in the NRHP. The statements of significance included in this report are field assessments to support recommendations to the BLM and State Historic Preservation Officer (SHPO). The final determination of site significance is made by the controlling agencies in consultation with the SHPO and the Keeper of the Register.

The Code of Federal Regulations was used as a guide for the in-field site evaluations. Titles 36 CFR 50, 36 CFR 800, and 36 CFR 64 are concerned with the concepts of significance and (possible) historic value of cultural resources. Titles 36 CFR 65 and 36 CFR 66 provide standards for the conduct of significant and scientific data recovery activities. Finally, Title 36 CFR 60.4 establishes the measure of significance that is critical to the determination of a site's NRHP eligibility, which is used to assess a site's research potential:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and a) that are associated with events that have made a significant contribution to the broad patterns of history; or b) that are associated with the lives of persons significant in our past; or c) that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or d) that have yielded, or may be likely to yield, information important in the prehistory or history.

Site Descriptions

Site **42UN2290** is a prehistoric lithic scatter that was originally recorded in 1996 by Christensen, Weymouth and King of Sagebrush Archaeological Consultants with project #U-96-SJ-0379b,s. At that time the site was described "as a low density prehistoric lithic

scatter with two hearth features (H1 and H2) located on a low, gently sloping bench above Desert Spring Wash. The site measures 10m (32.8 feet) northwest-southeast by 12m (39.36 feet) northeast-southwest.

The exposed lithic assemblage reflects primary and secondary core reduction of quartz, white quartzite and thermally and non-thermally altered orange, white, tan, and grey cherts. Grey and tan chert cobbles eroding from the landform were noted, and may have been thermally altered for on-site reduction. H1, a stone slab lined fire hearth, survives, in excellent condition. This circular feature consists of local tabular sandstone and angular sedimentary fire-cracked-rock (FCR) and possesses an inner diameter of 57cm (22.4). H2 is a possible deflated fire hearth or FCR scatter. No charcoal or carbon staining of surrounding sediments was observed. No temporally diagnostic artifacts were observed, however H1 has C¹⁴ dating potential due to its high degree of archaeological integrity.”

The site was relocated with the present project. New UTM coordinates and photos were taken and a new map generated. The site appears in much the same condition as originally recorded, despite the passage of 11 years since that time. The upgraded access road was also mapped in, and has to date, avoided impacting the site. Accordingly, no changes are made to its original recommendation as a significant site.

Evaluation and Management Recommendation

The site is field evaluated as significant. Although partially deflated by erosion, subsurface depth of cultural fill is likely and the site may contribute additional important information to the prehistory of the area. Presently, it lies 21 meters southeast of the edge of the existing road and will not be directly affected by the proposed new access to the Uteland Federal #32-3-10-18 well location (which will be located on the northwest side of the existing road). Accordingly, no further work is necessary.

Site **42UN2844** was originally recorded in 2001 by L. Travis of Metcalf Archaeological Consultants in conjunction with an access road upgrade project #U-01-MM-0411. The site was described at that time as a cairn and three flakes.

The site was relocated with the present project, new UTM coordinates and photos were taken and a new map generated. The cairn appears to be partially collapsed since its original recording and the previously noted flakes were not found. The site was originally unevaluated.

Evaluation and Management Recommendation

The site is field evaluated as non-significant and not likely to contribute additional historic information. The site lies outside the 10-acre survey area for the proposed Federal #41-1-10-18 well location and will not be directly affected by the proposed project. Accordingly, no further work is necessary.

Site 42UN5806 is a prehistoric open lithic site located in the bottom of Desert Springs Wash at 4660 feet elevation. The site is situated in a sand shadow on the east side of a low ridge, south of the main drainage. Vegetation is desert shadscale with four-wing saltbush. Nearby, the main drainage contains tamarisk and water is near the surface in this area. Two other sites have been previously recorded (42UN2290 and 42UN2291) in the near vicinity and are likely present due to the access to water in the main drainage.

The site measures approximately 27 meters by 15 meters. Artifacts consist of two scrapers, one drill and a flake. The scrapers are both of porcellanite, one on a natural blade with a single utilized edge. The drill measures 4.56 x 2.0cm and is of white opalitic chert. The flake is a small, secondary opalitic variety of chert. No thermal or architectural features were observed. However, since the site is located in an area of accumulated soil deposits and artifacts are apparently eroding from those soils, subsurface depth of cultural fill may be present. In light of this possibility, the site is field evaluated as significant.

Evaluation and Management Recommendation

The site is field evaluated as significant. Subsurface depth of cultural fill is likely and may contribute additional important information to the prehistory of the area. It is presently within the impact area for the proposed new road to the Fed. #43-3-10-18 well location and should be avoided. An alternate route was inventoried to the east of the originally flagged road to allow for its movement in that direction.

Table 1. List of Isolated Finds

Number	Type
IF #1	2 scrapers: 1 very large, quartzite; 1 small, endscraper with chert
IF#2	Mano, cobble, sandstone
IF #3	Flake, medium-sized, mudstone

Summary of Site Evaluations and Management Recommendations

The eligibility determination and consultation process is guided by Section 106 of the NHPA (36 CFR 60, 63, and 800). Inventory to identify, evaluate, and mitigate potential effects to cultural resources affected by an undertaking is the first step in the Section 106

process. BLM actions cannot be authorized until the Section 106 process is completed (36 CFR 800.3). In brief, the inventory recorded two prehistoric lithic scatters and two isolated finds.

As indicated by the files searches, two sites (42UN2290 and 42UN2844) were previously recorded near or within two of the project's discrete areas. The two previously recorded sites were relocated as part of this project and found to lie outside impact areas, so no further work is recommended for them. Three isolated finds and one site (42UN5806) were newly recorded. The site was field evaluated as significant and eligible for listing on the National Register of Historic Places. It is presently within the impact area for the proposed new road to the Fed. #43-3-10-18 well location and should be avoided. An alternate route was inventoried to the east of the originally flagged road to allow for its movement in that direction.

References

- Jones, Kevin T. and K.L. Mackay
1980 Cultural Resources Existing Data Inventory Vernal District, Utah. Report of Investigations 80-18, University of Utah, Salt Lake City.
- Hauck, F. Richard and Dennis G. Weder
1989 Pariette Overlook – A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. Ms on file, Bureau of Land Management Vernal Field Office.
- Larralde, Signa L. and Susan M. Chandler
1980 Archaeological inventory in the Seep Ridge Cultural Study Tract, Uintah County, Utah. In: Utah BLM Cultural Resource Series No. 11. Bureau of Land Management, Salt Lake City.
- Rigby, J. Keith
1976 Northern Colorado Plateau. Kendall/Hunt Publishing Company. Dubuque.

APPENDIX A: Resources Location Data and IMAC and Isolated Find Forms

Table A-1. Location data for cultural resources.

Number	Type	UTM Location (NAD83)
42UN2290	Open camp	12; 596152mE; 4425494mN
42UN2844	Cairn	12; 599684mE; 4426159mN
42UN5806	Open Lithic	12; 596340mE; 4425500mN
IF #1	2 scrapers: 1 very large, quartzite; 1 small, endscraper with chert	12; 599753mE; 4431615mN
IF#2	Mano, cobble, sandstone	12; 599865mE; 4431581mN
IF #3	Flake, medium-sized, mudstone	12; 599859mE; 4430802mN

PALEONTOLOGY EVALUATION SHEET

PROJECT: GASCO ENERGY Well - Uteland Federal #43-3-10-18

LOCATION: Twenty miles southeast of Myton, Utah, 1983' FSL 858' FEL Section 3, T 10S, R 18 E, Uintah County, Utah

OWNERSHIP: PRIV[] STATE[] BLM[X] USFS[] NPS[] IND[] MIL[] OTHER[]

DATE: April 15, 2007

GEOLOGY/TOPOGRAPHY: Rock exposures are sandstones and mudstones of the middle part of the lower member of the Uinta Formation, Upper Eocene age. The access road goes southwest up a dugway and south on to a terrace with the well pad. The terrace has a shallow cover of silty sand and rock debris as slope wash. There is a gentle slope north-northeast. Center stake is at the foot of a hill and the pit goes into the northeast side of the hill. Several draws and relief is moderate.

PALEONTOLOGY SURVEY: YES [X] NO Survey [] PARTIAL Survey []
Surveyed rock exposures a long the road, pipeline and in the well pad area.

SURVEY RESULTS: Invertebrate [] Plant [] Vertebrate [X] Trace [] No Fossils Found []

There are quite a few large, thick pieces of bone that appear to be from a turtle, possible an *Echmatemys* at UTM 596250mE, 4424918mN. This material eroded out and down the hill sometime ago from a spot higher up. Appear to be a layer producing turtles as more was found to the west at 596231mE, 4424907mN.

PALEONTOLOGY SENSITIVITY: HIGH [] MEDIUM [X] LOW [] (PROJECT SPECIFIC)

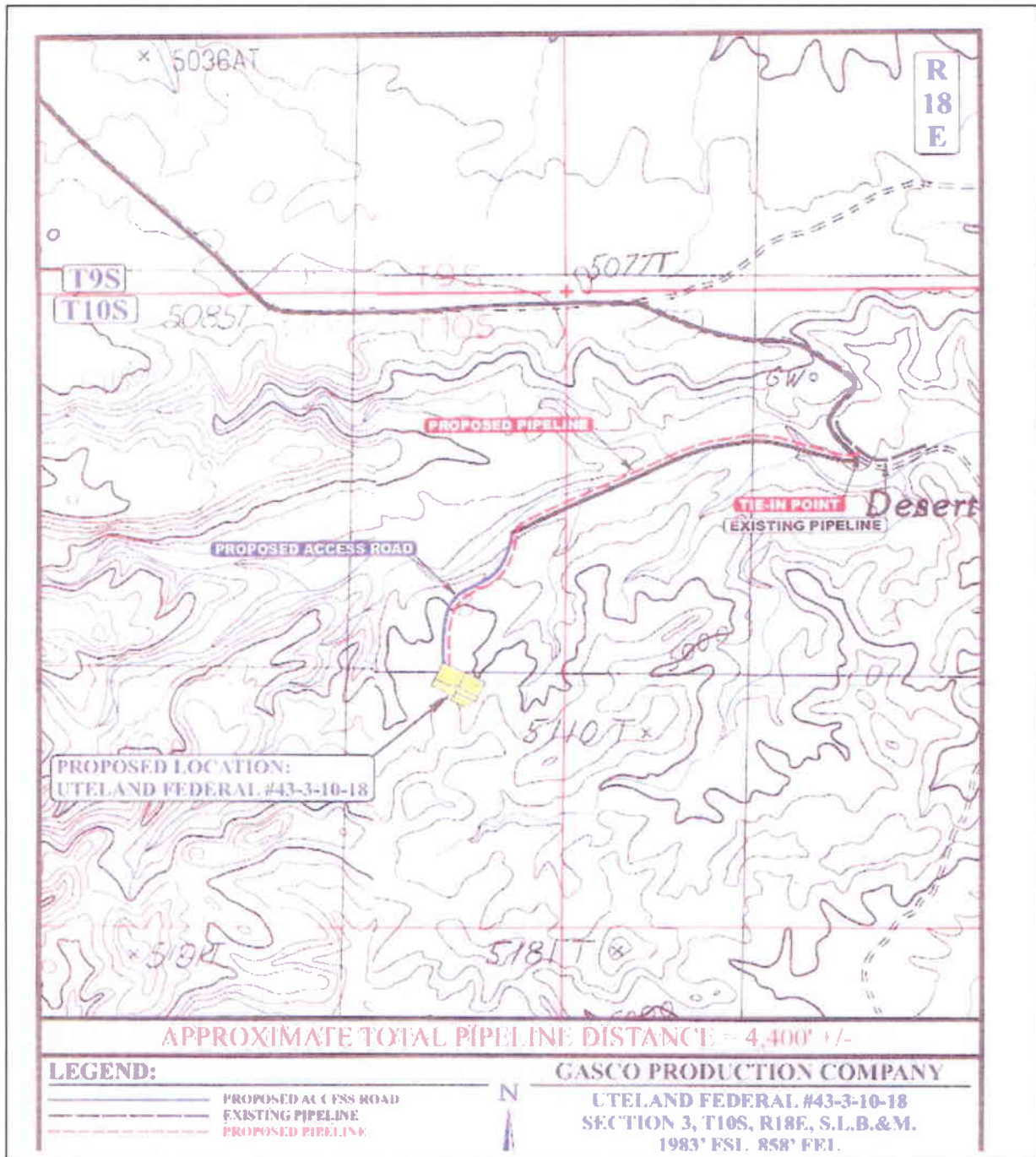
MITIGATION RECOMMENDATIONS: NONE [] OTHER [X] (SEE BELOW)

The fossil material is 15 yards southwest from Pit corner "B" at 233°. It would be good if this area can be avoided because of the potential for additional large turtles in this layer.

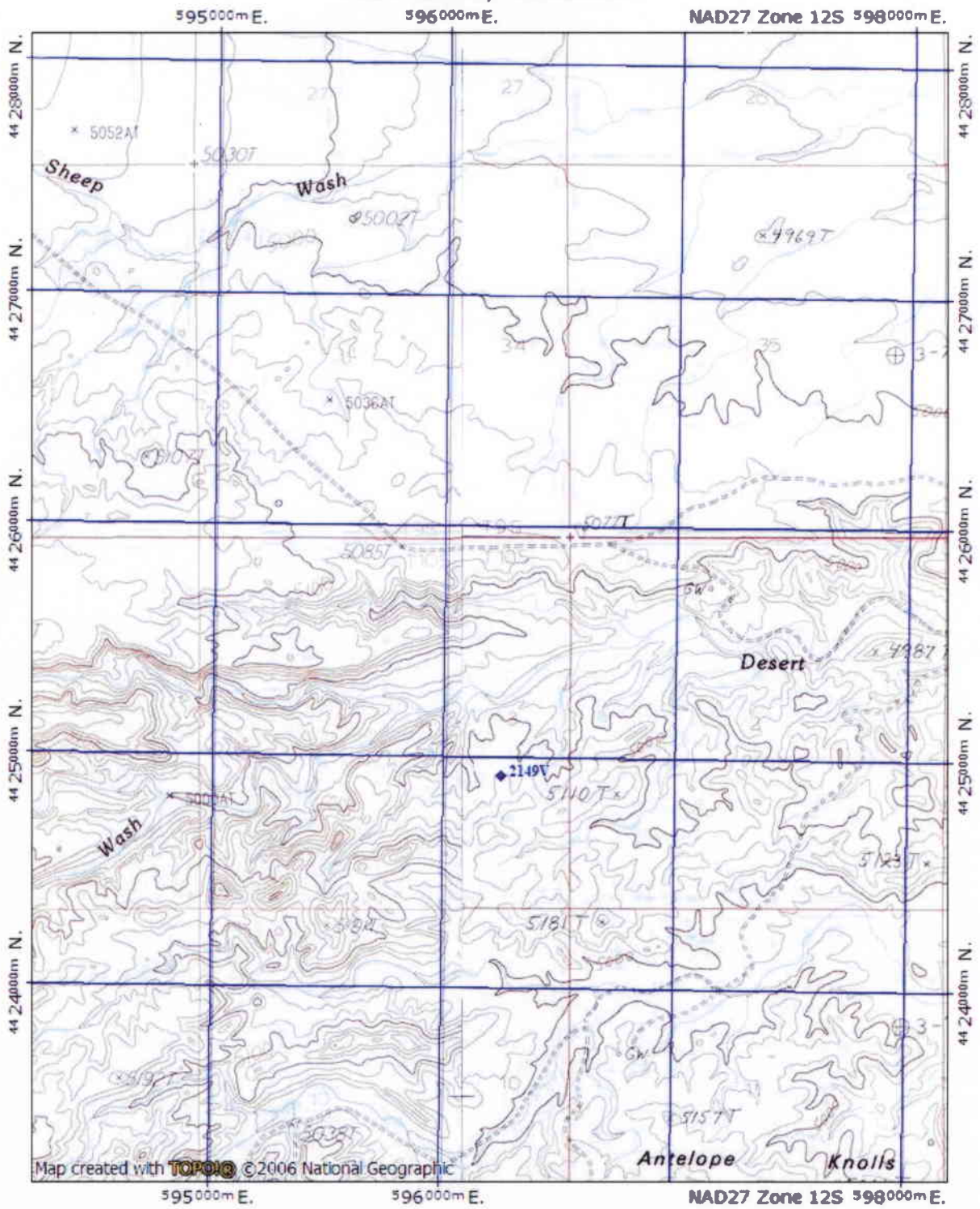
There is always a chance of encountering vertebrate fossil when working in the Uinta Formation. If significant vertebrate fossils (mammals, crocodiles, complete turtle shells, etc.) are encountered during construction, work should stop in that area and a paleontologist contacted to evaluate the material discovered.

EVALUATION BY PALEONTOLOGIST: Alden H. Hamblin

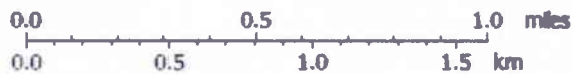
A.H. Hamblin Paleontological Consulting, 3793 N. Minersville Highway, Cedar City, Utah 84720 (435) 867-8355
Utah State Paleontological Permit # 07-355, BLM paleontological Resources Permit # UT-S-05-02.
Utah Professional Geologist License – 5223011-2250.



Fossil Locality 42Un2149V



Map created with **TOPOIG** © 2006 National Geographic



TN* MN
12°
04/24/07

GASCO PRODUCTION COMPANY

UTELAND FEDERAL #43-3-10-18

LOCATED IN UINTAH COUNTY, UTAH
SECTION 3, T10S, R18E, S.L.B.&M.

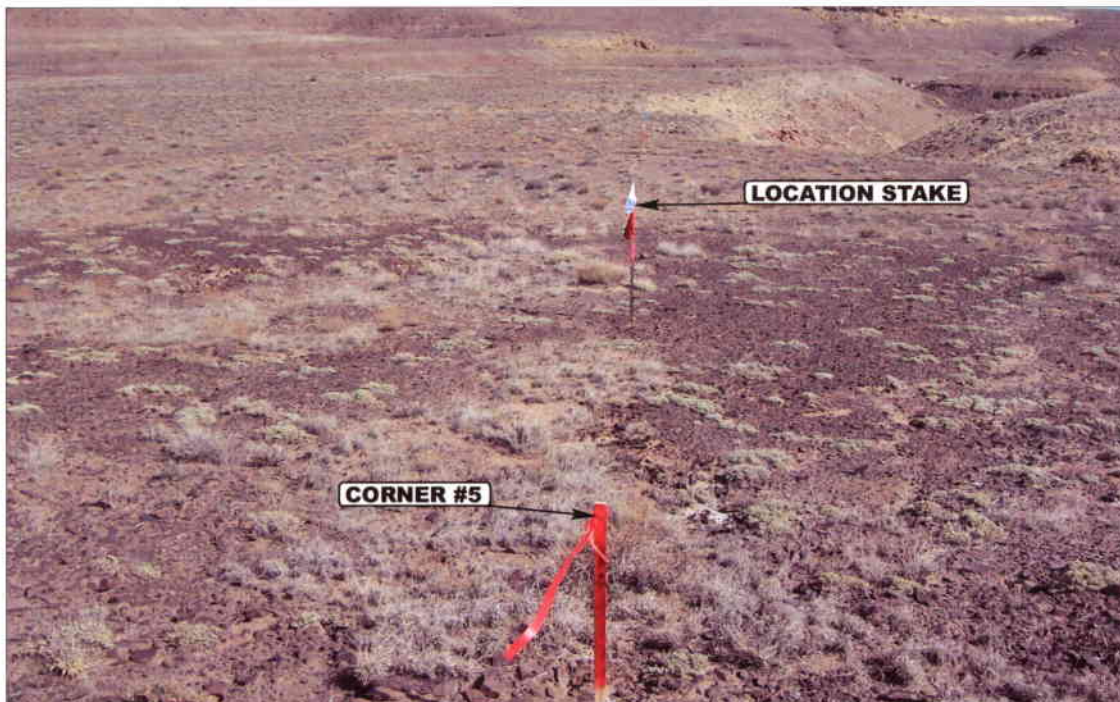


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

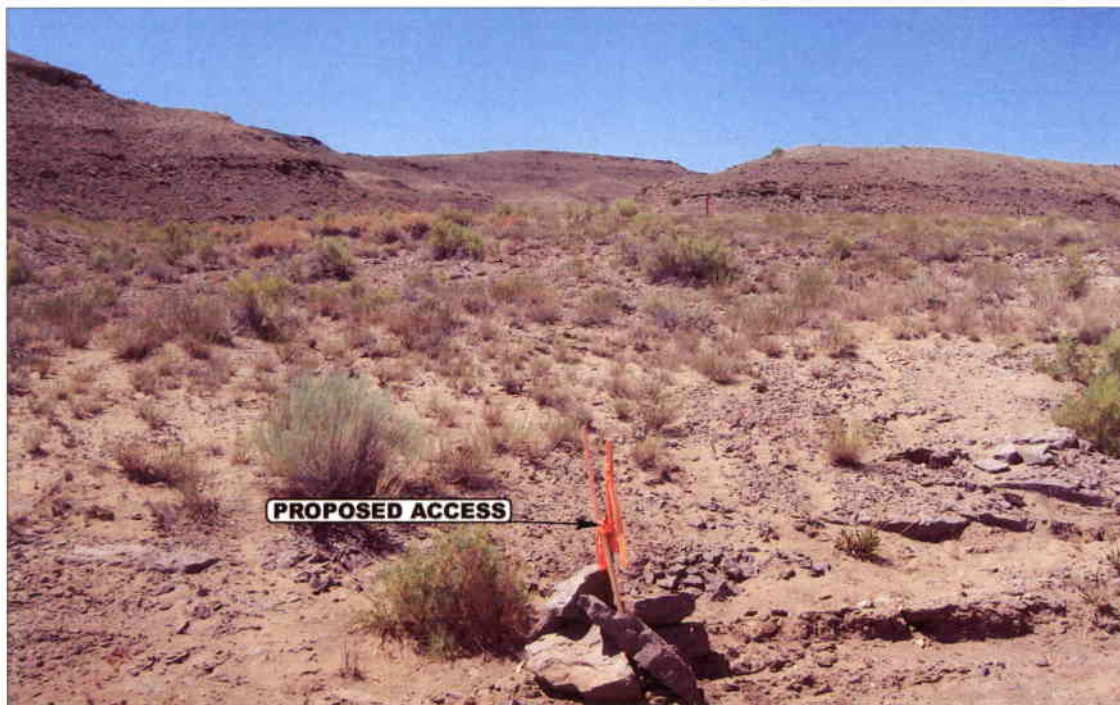


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

U **E** **L** **S** Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

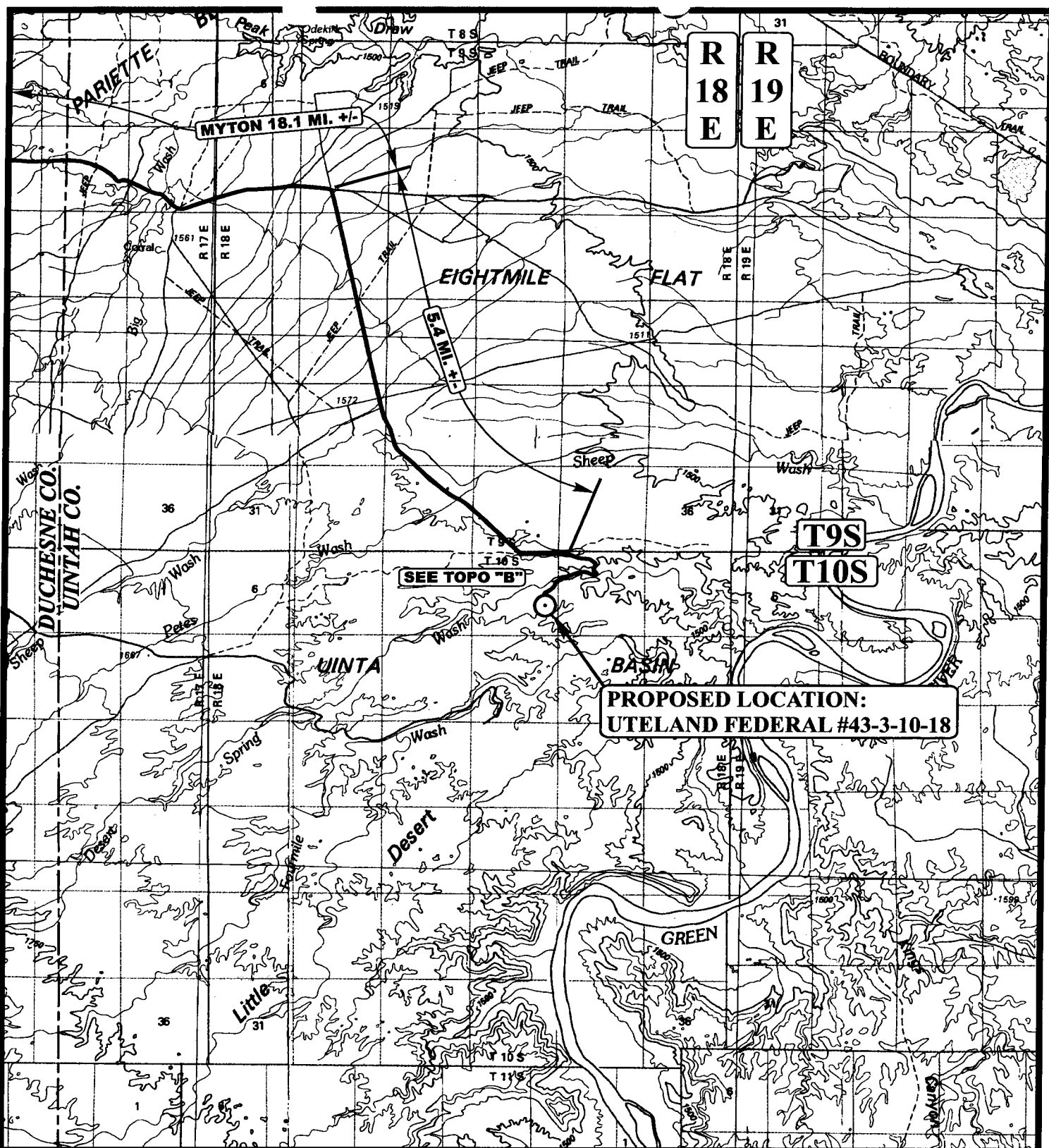
03 **21** **07**
MONTH DAY YEAR

PHOTO

TAKEN BY: J.W.

DRAWN BY: C.P.

REVISED: 07-17-07



LEGEND:

○ PROPOSED LOCATION

N

GASCO PRODUCTION COMPANY

UTELAND FEDERAL #43-3-10-18
SECTION 3, T10S, R18E, S.L.B.&M.
1983' FSL 858' FEL



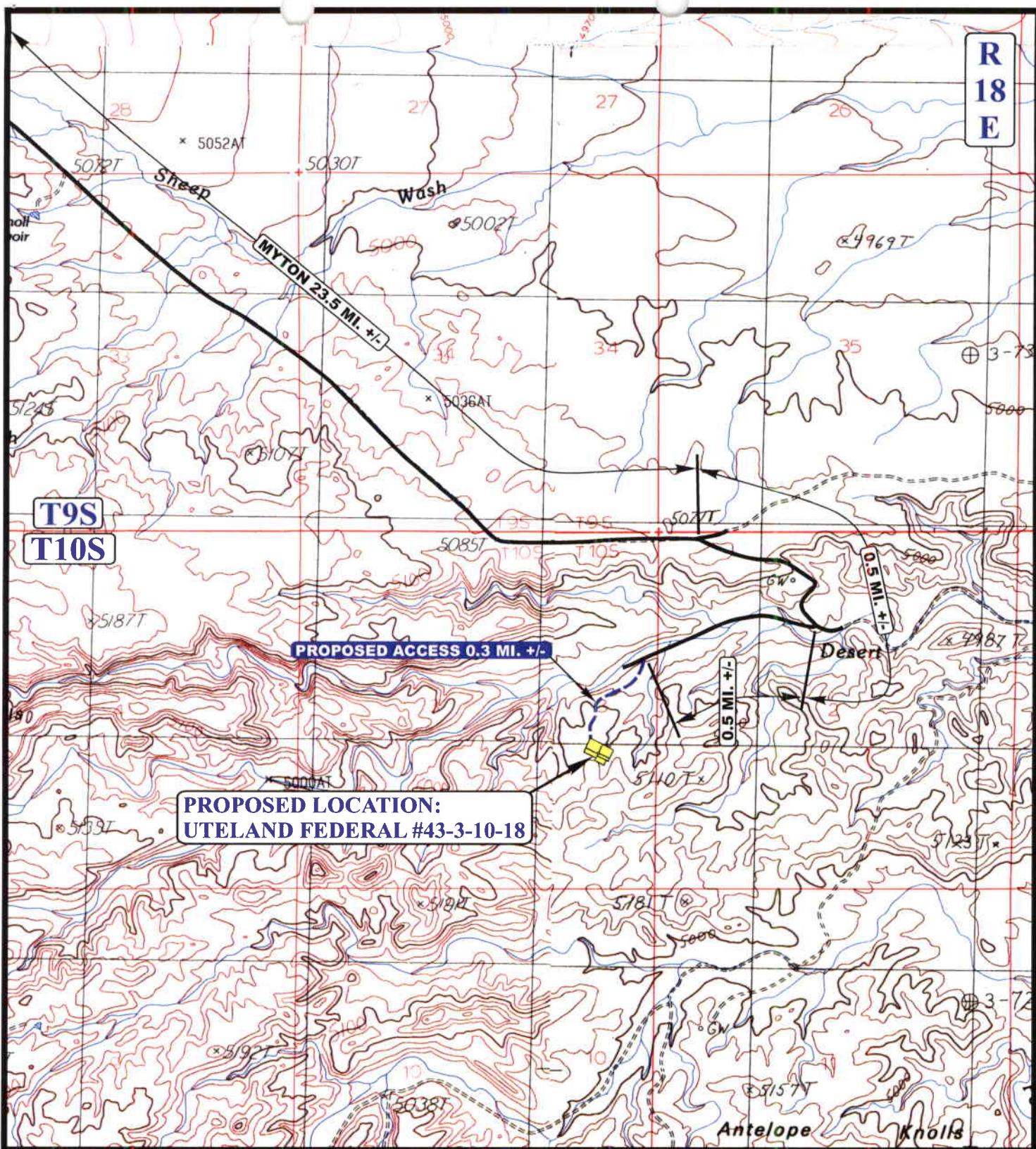
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

03 21 07
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 07-17-07





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



GASCO PRODUCTION COMPANY

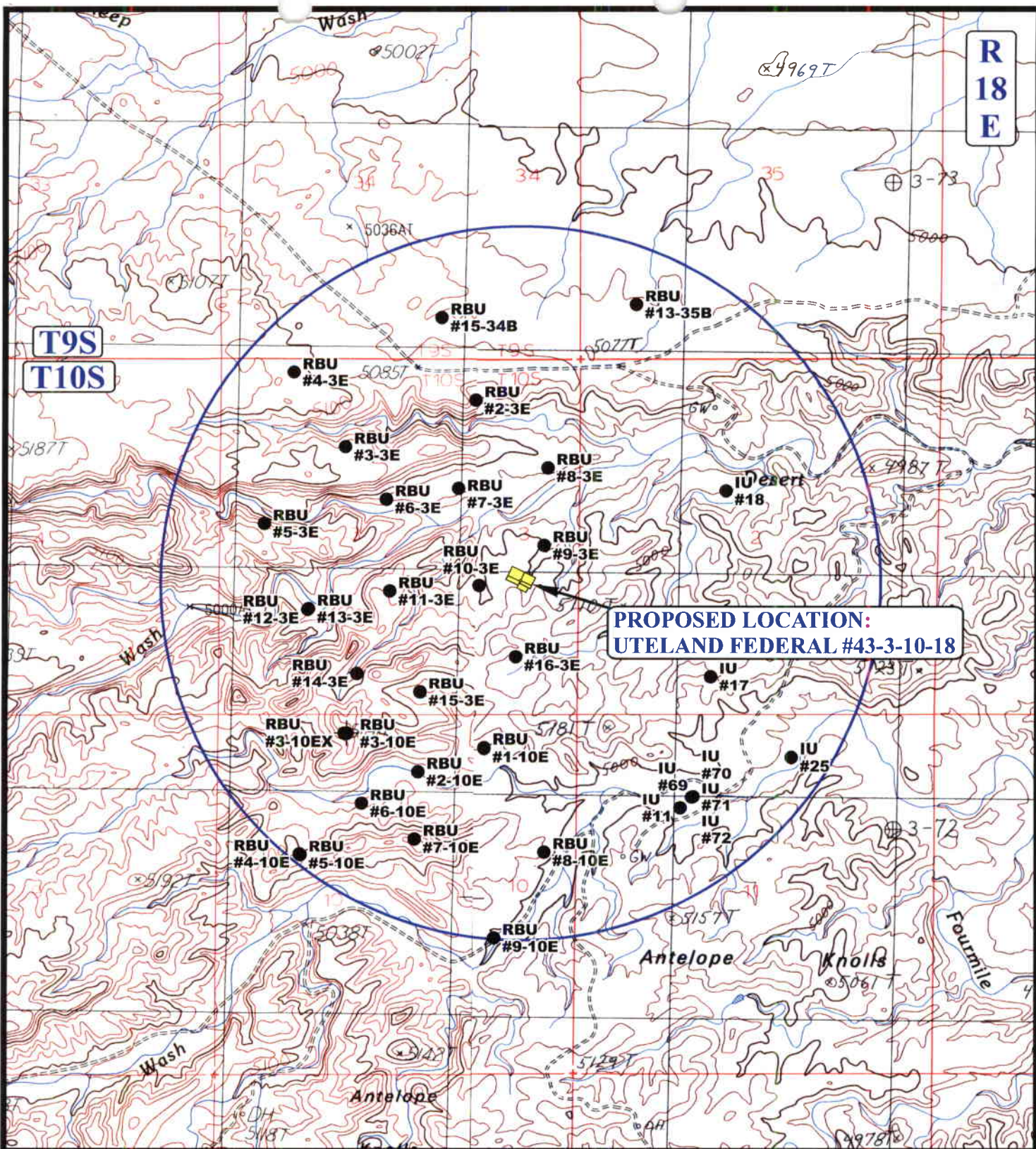
UTELAND FEDERAL #43-3-10-18
SECTION 3, T10S, R18E, S.L.B.&M.
1983' FSL 858' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP
03 21 07
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 07-17-07





LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ⊗ ABANDONED WELLS |
| ⊖ SHUT IN WELLS | ⊖ TEMPORARILY ABANDONED |



GASCO PRODUCTION COMPANY

UTELAND FEDERAL #43-3-10-18
SECTION 3, T10S, R18E, S.L.B.&M.
1983' FSL 858' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

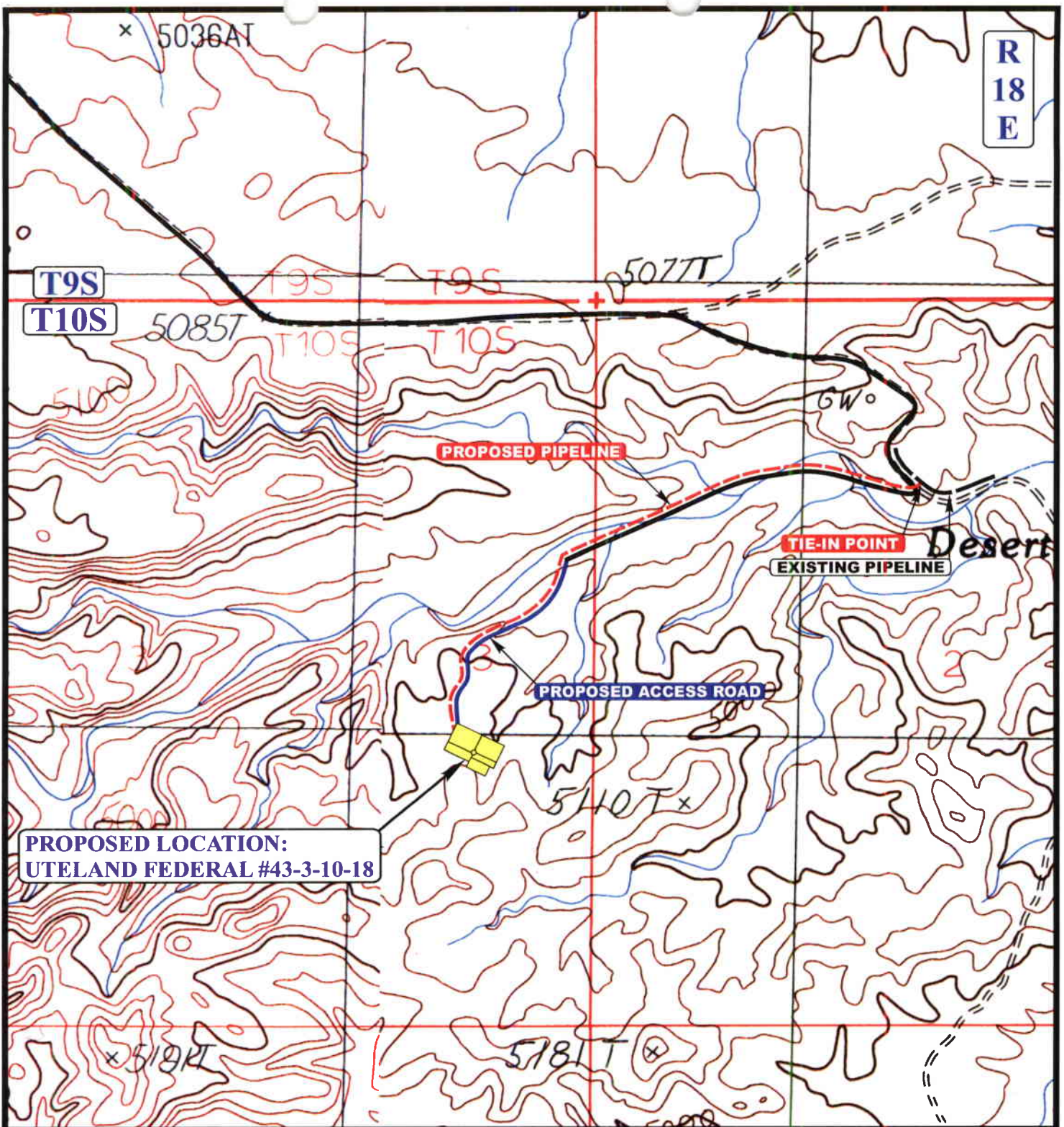
03 21 07
MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.P.

REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 4,550' +/-

LEGEND:

— PROPOSED ACCESS ROAD
 --- EXISTING PIPELINE
 - - - PROPOSED PIPELINE



GASCO PRODUCTION COMPANY

UTELAND FEDERAL #43-3-10-18
 SECTION 3, T10S, R18E, S.L.B.&M.
 1983' FSL 858' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
 MAP

03 21 07
 MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: C.P.

REVISED: 07-17-07



GASCO PRODUCTION COMPANY

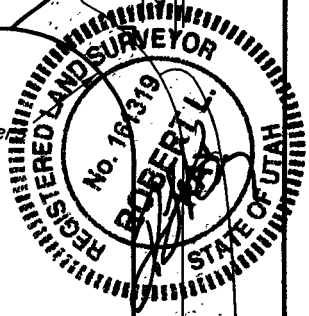
LOCATION LAYOUT FOR

UTELAND FEDERAL #43-3-10-18
SECTION 3, T10S, R18E, S.L.B.&M.
1983' FSL 858' FEL

Proposed Access Road

Approx.
Toe of
Fill Slope

F-7.9'
El. 13.1'



Round Corner
as Needed

Topsoil Stockpile

F-7.7'
El. 13.3'

F-4.3'
El. 16.7'

CONSTRUCT DIVERSION DITCH

Sta. 0+00

Sta. 0+55

Sta. 1+80

Sta. 3+80

F-2.2'
El. 18.8'

C-0.4'
El. 21.4'

C-9.4'
El. 30.4'

C-2.0'
El. 23.0'

C-9.2'
El. 30.2'

C-0.2'
El. 21.2'

C-1.3'
El. 22.3'

C-32.3'
(btm. pit)

C-13.6'
(btm. pit)

C-14.1'
El. 35.1'

Total Pit Capacity
W/2' of Freeboard
= 13,440 Bbls. ±
Total Pit Volume
= 3,720 Cu. Yds.

RESERVE PITS
(10' Deep)

DATA

200'

180'

45'

20'

Slope = 1-1/2:1

10' WIDE BENCH

20' WIDE BENCH

CATWALK

PIPE RACKS

DOG HOUSE

RIG

WATER

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

TRASH

TRAILER

TOILET

FUEL

STORAGE TANK

Existing
Drainage

Approx.
Top of
Cut Slope

Reserve Pit Backfill
& Spoils Stockpile

Flare Pit

BEYOND THIS POINT

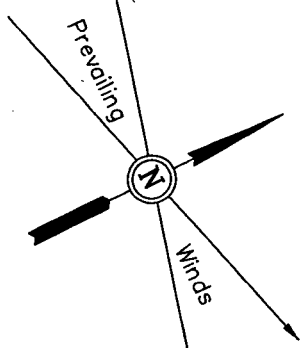
Turtle Shell

NO DISTURBANCE

Reserve Pit Backfill
& Spoils Stockpile

Elev. Ungraded Ground at Location Stake = 5023.0'
Elev. Graded Ground at Location Stake = 5021.0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



SCALE: 1" = 50'
DATE: 03-29-07
Drawn By: P.M.
REVISED: 06-01-07
REVISED: 07-19-07

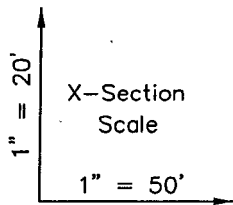
GASCO PRODUCTION COMPANY

TYPICAL CROSS SECTIONS FOR

UTELAND FEDERAL #43-3-10-18

SECTION 3, T10S, R18E, S.L.B.&M.

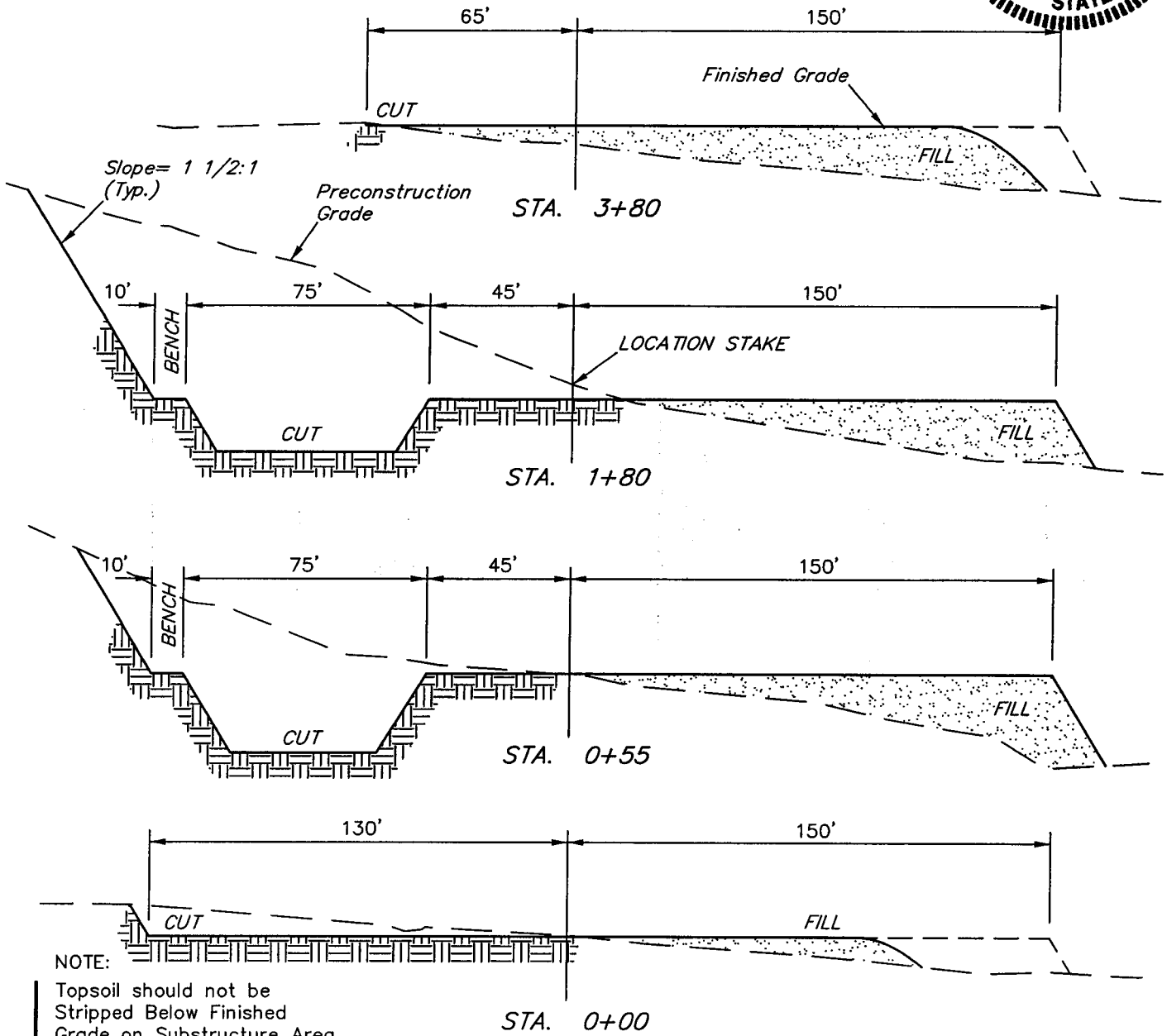
1983' FSL 858' FEL



DATE: 03-29-07

Drawn By: P.M.

REVISED: 06-01-07



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

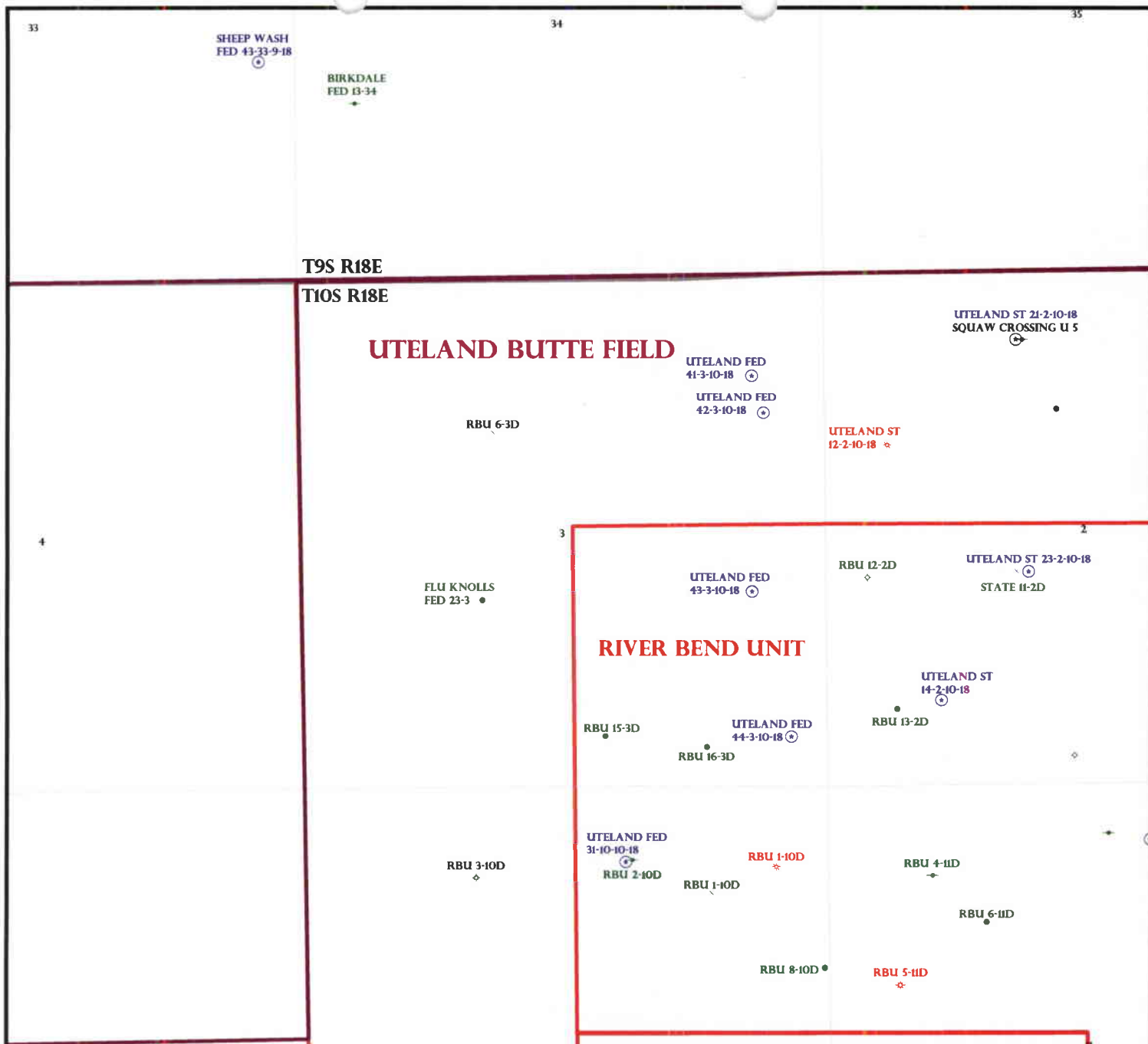
APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,230 Cu. Yds.
Remaining Location	= 14,540 Cu. Yds.
TOTAL CUT	= 16,770 CU.YDS.
FILL	= 12,680 CU.YDS.

EXCESS MATERIAL	= 4,090 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,090 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

1. ~~Sealing Compound~~
2. Spacing Strip



OPERATOR: GASCO PROD CO (N2575)

SEC: 3 T.10S R. 18E

FIELD: UTELAND BUTTE (695)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHEML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 20-NOVEMBER-2007



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

November 20, 2007

Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112

Re: Uteland Federal 43-3-10-18 Well, 1983' FSL, 858' FEL, NE SE, Sec. 3, T. 10 South,
R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39778.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office



Operator: Gasco Production Company
Well Name & Number Uteland Federal 43-3-10-18
API Number: 43-047-39778
Lease: UTU-13820

Location: NE SE **Sec.** 3 **T.** 10 South **R.** 18 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13820
2. NAME OF OPERATOR: Gasco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 8 Inverness Dr E, Ste 100 CITY Englewood STATE Co ZIP 80112		7. UNIT or CA AGREEMENT NAME: NA
PHONE NUMBER: (303) 483-0044		8. WELL NAME and NUMBER: Uteland Federal 43-3-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1983' FSL & 858' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 3 10S 18E		9. API NUMBER: 4304739778
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Uteland Butte
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Extend Permit</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company would like to request a one year extension on this APD from the date it is due to expire (11/20/2008.)

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11-20-08
By: [Signature]

NAME (PLEASE PRINT) <u>Jessica Berg</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u>[Signature]</u>	DATE <u>11/17/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR

Date: 11.20.2008
Initials: KS

(See Instructions on Reverse Side)

RECEIVED

NOV 19 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739778
Well Name: Uteland Federal 43-3-10-18
Location: NESE Section 3-T10S-R18E
Company Permit Issued to: Gasco Production Company
Date Original Permit Issued: 11/20/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Jessica Berg
Signature

11/17/2008

Date

Title: Production Clerk

Representing: Gasco Production Company

RECEIVED

NOV 19 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13820
2. NAME OF OPERATOR: Gasco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: 8 Inverness Dr E, Ste 100 CITY Englewood STATE Co ZIP 80112		7. UNIT or CA AGREEMENT NAME: NA
PHONE NUMBER: (303) 483-0044		8. WELL NAME and NUMBER: Uteland Federal 43-3-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1983' FSL & 858' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 3 10S 18E		9. API NUMBER: 4304739778
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Uteland Butte
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Extend Permit</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Gasco Production Company would like to request a one year extension on this APD from the date it is due to expire (11/20/2009.)

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11-12-09
By: [Signature]

COPY SENT TO OPERATOR

Date: 11.16.2009

Initials: KS

NAME (PLEASE PRINT) Jessica Berg TITLE Production Clerk
SIGNATURE [Signature] DATE 11/3/2009

(This space for State use only)

RECEIVED
NOV 09 2009
DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739778
Well Name: Uteland Federal 43-3-10-18
Location: NESE Section 3-T10S-R18E
Company Permit Issued to: Gasco Production Company
Date Original Permit Issued: 11/20/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

11/3/2009

Date

Title: Production Clerk

Representing: Gasco Production Company

RECEIVED
NOV 09 2009
DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13820
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: UTELAND FED 43-3-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1983 FSL 0858 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 03 Township: 10.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047397780000
PHONE NUMBER: 303 483-0044 Ext		9. FIELD and POOL or WILDCAT: UTELAND BUTTE
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/20/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11/23/2010

By:

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A		DATE 11/19/2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397780000

API: 43047397780000

Well Name: UTELAND FED 43-3-10-18

Location: 1983 FSL 0858 FEL QTR NESE SEC 03 TWNP 100S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 11/20/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Roger Knight

Date: 11/19/2010

Title: EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY

Date: 11/23/2010

By: 

RECEIVED November 19, 2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397780000

API: 43047397780000

Well Name: UTELAND FED 43-3-10-18

Location: 1983 FSL 0858 FEL QTR NESE SEC 03 TWNP 100S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 11/20/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Roger Knight

Date: 11/17/2011

Title: EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY

RECEIVED Nov. 17, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-13820
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR:		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: , , , Ext		8. WELL NAME and NUMBER: UTELAND FED 43-3-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1983 FSL 0858 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 03 Township: 10.0S Range: 18.0E Meridian: S		9. API NUMBER: 43047397780000
9. FIELD and POOL or WILDCAT: UTELAND BUTTE		COUNTY: UINTAH
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/20/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p style="color: red; font-weight: bold;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold;">Date: November 21, 2012</p> <p style="color: red; font-weight: bold;">By: </p>		
NAME (PLEASE PRINT) Roger Knight		PHONE NUMBER 303 996-1803
SIGNATURE N/A		TITLE EHS Supervisor
DATE 11/19/2012		



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397780000

API: 43047397780000

Well Name: UTELAND FED 43-3-10-18

Location: 1983 FSL 0858 FEL QTR NESE SEC 03 TWP 100S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 11/20/2007

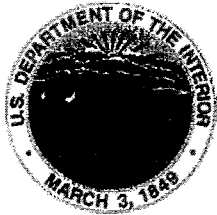
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Roger Knight

Date: 11/19/2012

Title: EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>



April 1, 2013

IN REPLY REFER TO:
3160 (UTG011)

Roger Knight
Gasco Energy Inc.
7979 Tufts Ave., Suite 1150
Denver, CO 80237

Re: Request to Return APD
Well No. Uteland Federal 43-3-10-18
NESE, Sec. 3, T10S, R18E
Uintah County, Utah
Lease No. UTU-13820

43 047 39778

RECEIVED

MAY 01 2013

DIV. OF OIL, GAS & MINING

Dear Roger:

The Application for Permit to Drill (APD) for the above referenced well received in this office on July 23, 2007, is being returned unapproved per your request to this office in an email message to Natural Resource Specialist William T. Civish Jr. received on February 19, 2013. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Resource Minerals

Enclosures

cc: UDOGM

bcc: Well File

RECEIVED

MAY 01 2013

DIV. OF OIL, GAS & MINING



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 28, 2014

Jessica Berg
Gasco Production Company
7979 E Tufts Ave. Ste. 1150
Denver, CO 80237

43 D47 39778
Uteland Fed 43-3-10-18
IDS 18E 3

Re: APDs Rescinded for Gasco Production Company,
Uintah & Duchesne County

Dear Ms. Berg:

Enclosed find the list of APDs that is being rescinded. On January 25, 2014, you requested that the division rescind the state approved APD. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective January 25, 2014.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal



4304738857 ANTELOPE FED 33-15-10-18

4304736130 FEDERAL 12-21-9-19

4304738856 FEDERAL 14-20-9-19

4304739801 FEDERAL 21-17-9-19

4304738855 FEDERAL 21-20-9-19

4304738854 FEDERAL 23-20-9-19

4304738580 FEDERAL 31-22-10-18

4304738853 FEDERAL 34-17-9-19

4301350178 GATE CANYON FED 24-15-11-16

4301333438 RYE PATCH FED 22-13

4301333439 RYE PATCH FED 22-44

4301333440 RYE PATCH FED 23-11

4301333441 RYE PATCH FED 23-22

4301333442 RYE PATCH FED 23-32

4301333444 RYE PATCH FED 24-31

4301333445 RYE PATCH FED 24-43

4301333446 RYE PATCH FED 24-44

4304738574 SHEEP WASH FED 32-26-9-18

→ 4304739778 UTELAND FED 43-3-10-18

4301350184 WILKIN RIDGE FED 11-17-10-17

4301333314 WILKIN RIDGE FED 12-33-10-17

4301332756 WILKIN RIDGE FED 14-15-10-17

4301333738 WILKIN RIDGE FED 14-29-10-17

4301333857 WILKIN RIDGE FED 22-31-10-17

4301333886 WILKIN RIDGE FED 24-30-10-17
4301333856 WILKIN RIDGE FED 24-31-10-17
4301333905 WILKIN RIDGE FED 31-19-10-17
4301333855 WILKIN RIDGE FED 31-30-10-17
4301350180 WILKIN RIDGE FED 32-17-10-17
4304739802 WILKIN RIDGE FED 32-21-10-18
4301333739 WILKIN RIDGE FED 34-29-10-17
4301333474 WILKIN RIDGE FED 41-21-10-17
4301334165 WILKIN RIDGE FED 41-27-10-17
4301334245 WILKIN RIDGE FED 41-28-10-17
4301333330 WILKIN RIDGE FED 41-31-10-17
4301334208 WILKIN RIDGE FED 42-7-11-17
4301333870 WILKIN RIDGE FED 43-21-10-17
4301333323 WILKIN RIDGE FED 43-30-10-17
4301333329 WILKIN RIDGE FED 43-31-10-17



Diana Mason <dianawhitney@utah.gov>

RE: Expired APDs

Jessica Berg <jberg@gascoenergy.com>
To: Diana Mason <dianawhitney@utah.gov>

Sat, Jan 25, 2014 at 3:11 PM

Hi Diana,

Thanks for the fyi! I'll get any outstanding renewals in ASAP.

I've had a chance to go through the State APD list, Gasco is no longer pursuing the following locations, please go ahead and rescind the list below.

Hopefully this helps clean things up a bit!

Thanks,

Jessica

4304738857 ANTELOPE FED 33-15-10-18
4304736130 FEDERAL 12-21-9-19
4304738856 FEDERAL 14-20-9-19
4304739801 FEDERAL 21-17-9-19
4304738855 FEDERAL 21-20-9-19
4304738854 FEDERAL 23-20-9-19
4304738580 FEDERAL 31-22-10-18
4304738853 FEDERAL 34-17-9-19
x 4301350178 GATE CANYON FED 24-15-11-16
4301333438 RYE PATCH FED 22-13
4301333439 RYE PATCH FED 22-44
4301333440 RYE PATCH FED 23-11
4301333441 RYE PATCH FED 23-22
4301333442 RYE PATCH FED 23-32
4301333444 RYE PATCH FED 24-31

4301333445 RYE PATCH FED 24-43
4301333446 RYE PATCH FED 24-44
4304738574 SHEEP WASH FED 32-26-9-18
4304739778 UTELAND FED 43-3-10-18
x 4301350184 WILKIN RIDGE FED 11-17-10-17
4301333314 WILKIN RIDGE FED 12-33-10-17
4301332756 WILKIN RIDGE FED 14-15-10-17
4301333738 WILKIN RIDGE FED 14-29-10-17
4301333857 WILKIN RIDGE FED 22-31-10-17
4301333886 WILKIN RIDGE FED 24-30-10-17
4301333856 WILKIN RIDGE FED 24-31-10-17
4301333905 WILKIN RIDGE FED 31-19-10-17
4301333855 WILKIN RIDGE FED 31-30-10-17
x 4301350180 WILKIN RIDGE FED 32-17-10-17
4304739802 WILKIN RIDGE FED 32-21-10-18
4301333739 WILKIN RIDGE FED 34-29-10-17
4301333474 WILKIN RIDGE FED 41-21-10-17
4301334165 WILKIN RIDGE FED 41-27-10-17
4301334245 WILKIN RIDGE FED 41-28-10-17
4301333330 WILKIN RIDGE FED 41-31-10-17
4301334208 WILKIN RIDGE FED 42-7-11-17
4301333870 WILKIN RIDGE FED 43-21-10-17
4301333323 WILKIN RIDGE FED 43-30-10-17
4301333329 WILKIN RIDGE FED 43-31-10-17